

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021115\  
 Data File : BF077259.D  
 Acq On : 11 Feb 2015 18:08  
 Operator : TP/IZ  
 Sample : G1269-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-059-21015

Quant Time: Feb 12 00:06:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 13:30:38 2015  
 Response via : Initial Calibration

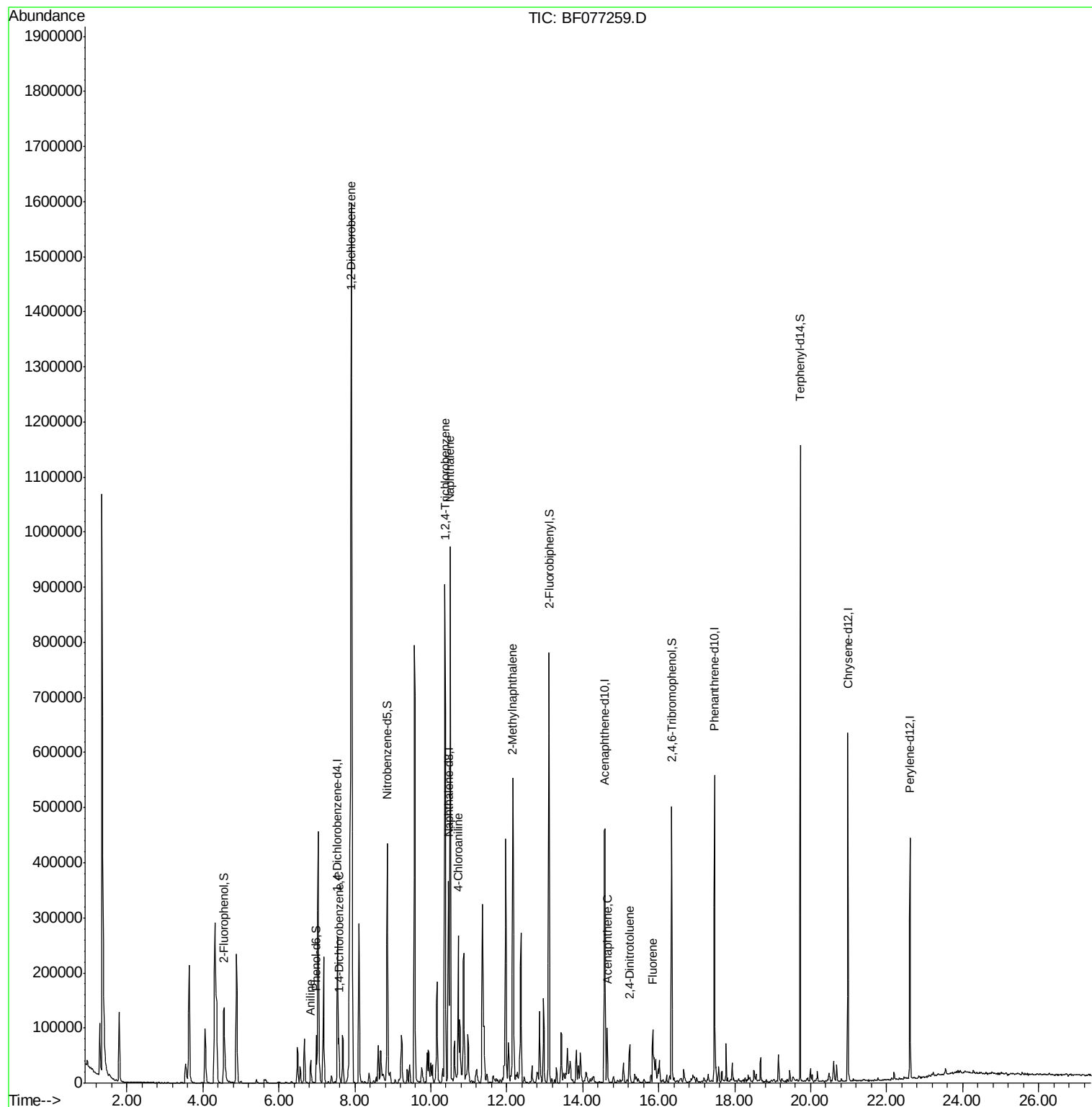
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 69616    | 20.00  | ng    | -0.06       |
| 21) Naphthalene-d8          | 10.46 | 136  | 303381   | 20.00  | ng    | -0.03       |
| 38) Acenaphthene-d10        | 14.57 | 164  | 147701   | 20.00  | ng    | -0.06       |
| 63) Phenanthrene-d10        | 17.47 | 188  | 261704   | 20.00  | ng    | -0.03       |
| 75) Chrysene-d12            | 20.98 | 240  | 230620   | 20.00  | ng    | -0.03       |
| 86) Perylene-d12            | 22.61 | 264  | 207716   | 20.00  | ng    | -0.05       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 4.56  | 112  | 97706    | 23.08  | ng    | -0.03       |
| 7) Phenol-d6                | 6.98  | 99   | 75641    | 14.16  | ng    | -0.03       |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 213697   | 39.02  | ng    | -0.05       |
| 41) 2,4,6-Tribromophenol    | 16.34 | 330  | 74696    | 62.30  | ng    | -0.03       |
| 44) 2-Fluorobiphenyl        | 13.12 | 172  | 432475   | 44.56  | ng    | -0.05       |
| 78) Terphenyl-d14           | 19.72 | 244  | 398194   | 39.75  | ng    | -0.03       |
| Target Compounds            |       |      |          |        |       |             |
| 6) Aniline                  | 6.84  | 93   | 15016    | 2.03   | ng    | Qvalue # 83 |
| 13) 1,4-Dichlorobenzene     | 7.58  | 146  | 40448    | 6.87   | ng    | 99          |
| 14) 1,2-Dichlorobenzene     | 7.90  | 146  | 741469   | 136.65 | ng    | 98          |
| 30) 1,2,4-Trichlorobenzene  | 10.37 | 180  | 308721   | 69.13  | ng    | 97          |
| 31) Naphthalene             | 10.51 | 128  | 724471   | 46.38  | ng    | 99          |
| 33) 4-Chloroaniline         | 10.73 | 127  | 134807   | 21.36  | ng    | 99          |
| 37) 2-Methylnaphthalene     | 12.16 | 142  | 157797   | 14.79  | ng    | 95          |
| 51) Acenaphthene            | 14.65 | 154  | 37939    | 4.40   | ng    | 95          |
| 56) 2,4-Dinitrotoluene      | 15.23 | 165  | 19568    | 8.07   | ng    | # 96        |
| 57) Fluorene                | 15.85 | 166  | 42837    | 4.03   | ng    | 98          |

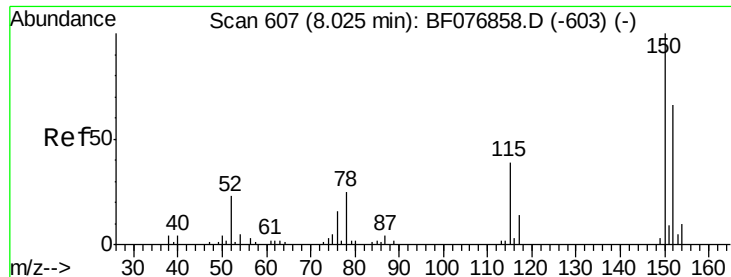
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 582

Delta R.T. -0.06 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-059-21015

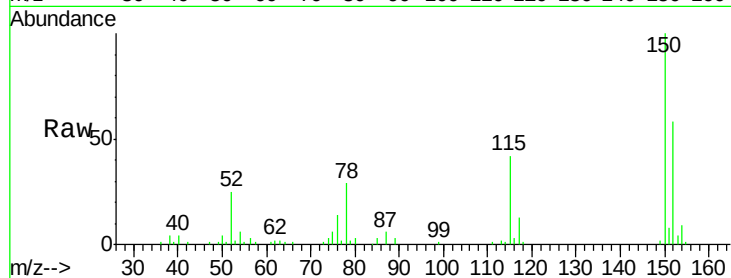
Tgt Ion:152 Resp: 69616

Ion Ratio Lower Upper

152 100

150 171.0 121.7 182.5

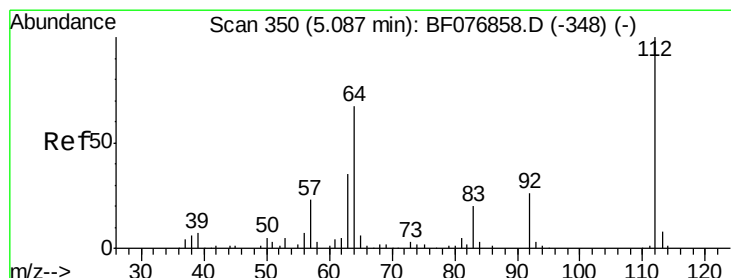
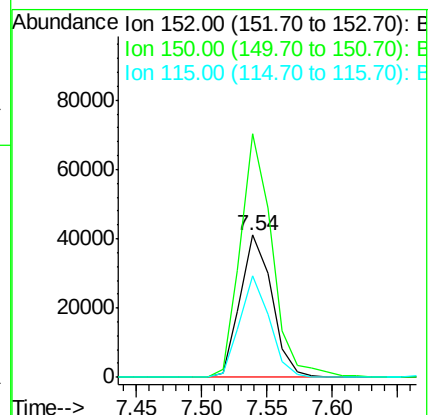
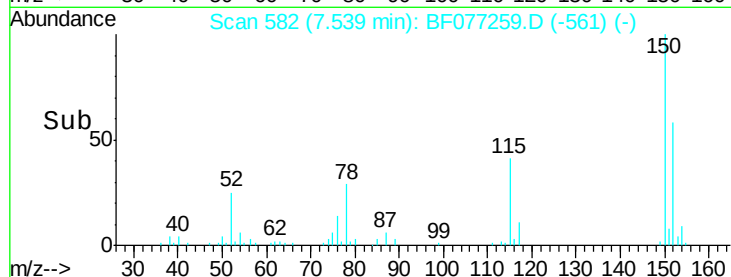
115 71.5 47.0 70.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 23.08 ng

RT: 4.56 min Scan# 321

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

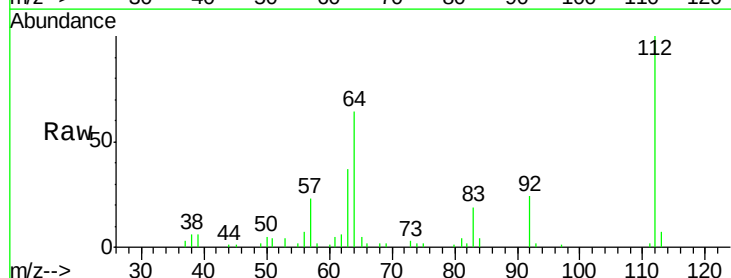
Tgt Ion:112 Resp: 97706

Ion Ratio Lower Upper

112 100

64 64.1 54.2 81.4

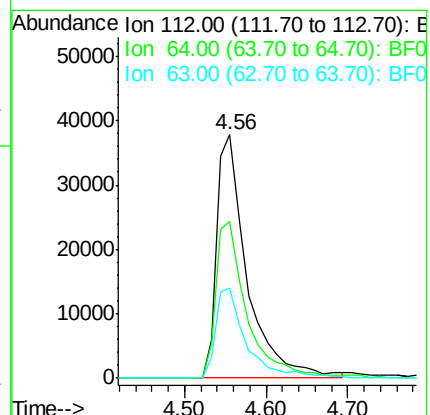
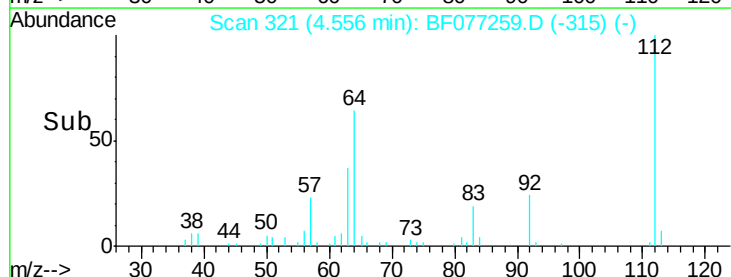
63 36.8 28.4 42.6

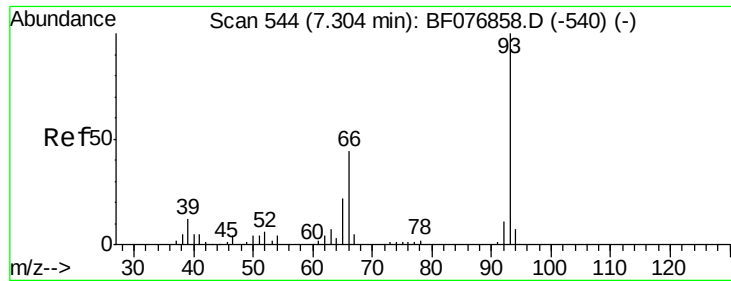


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.03 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-059-21015

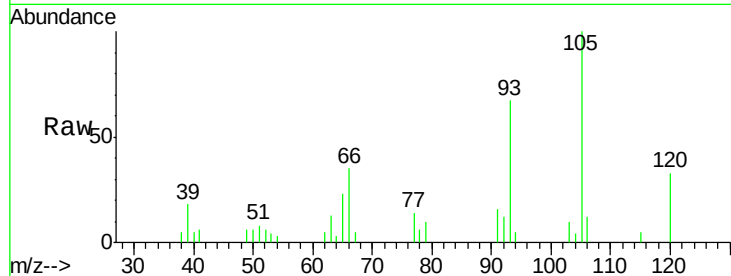
Tgt Ion: 93 Resp: 15016

Ion Ratio Lower Upper

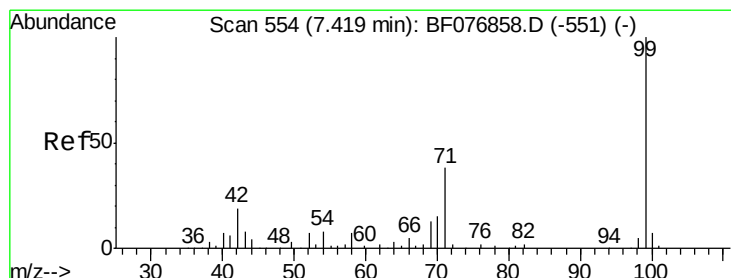
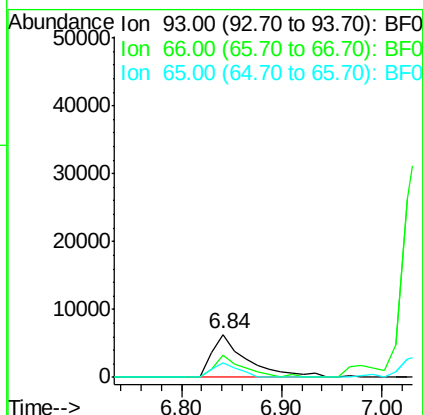
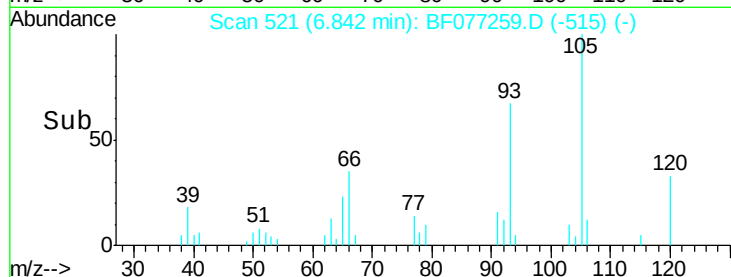
93 100

66 51.3 35.0 52.4

65 34.8 17.7 26.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 14.16 ng

RT: 6.98 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

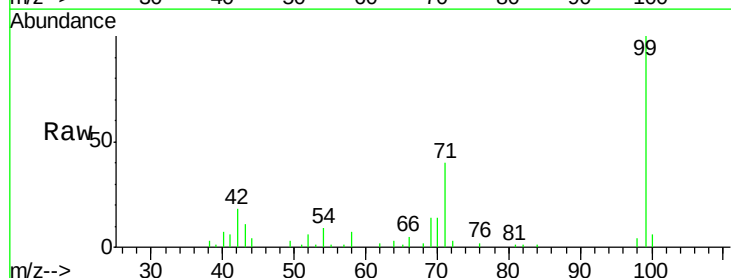
Tgt Ion: 99 Resp: 75641

Ion Ratio Lower Upper

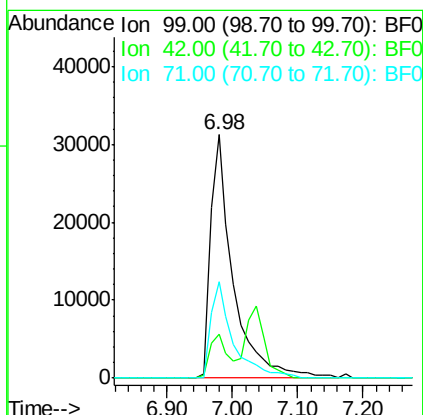
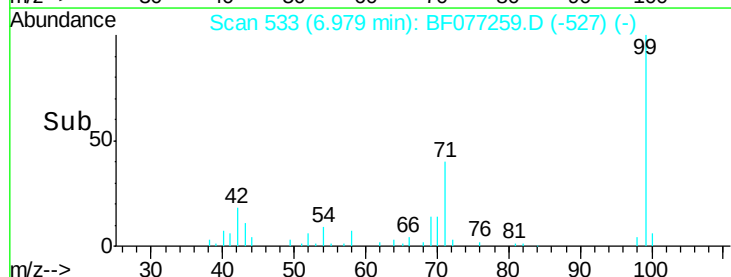
99 100

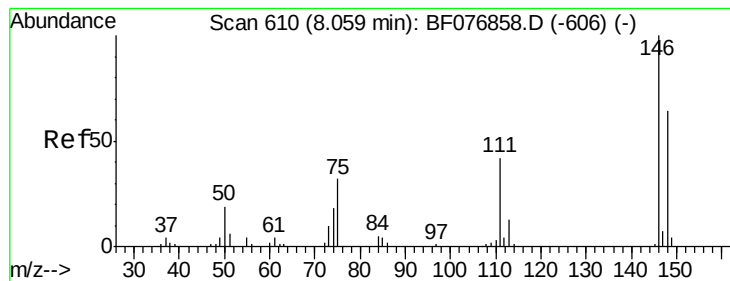
42 18.0 15.0 22.4

71 39.8 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0

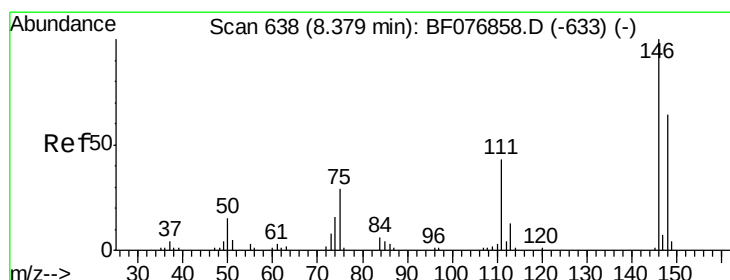
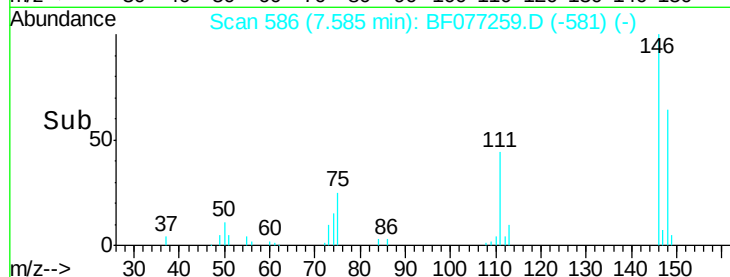
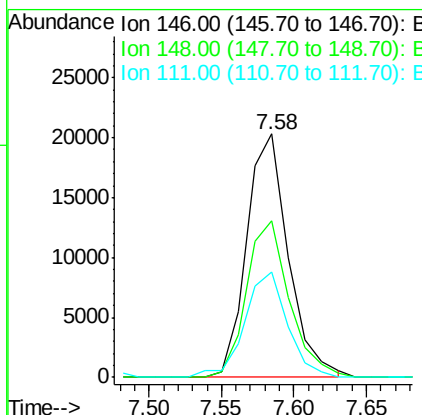
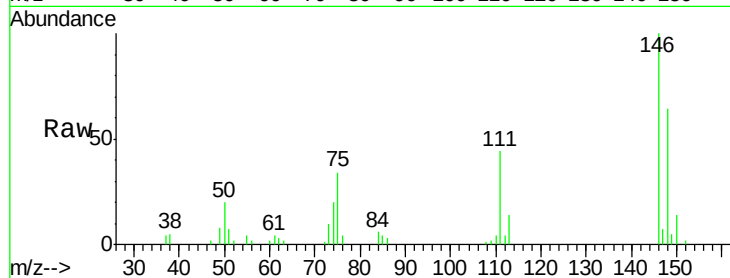




#13  
 1,4-Dichlorobenzene  
 Concen: 6.87 ng  
 RT: 7.58 min Scan# 586  
 Delta R.T. -0.05 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

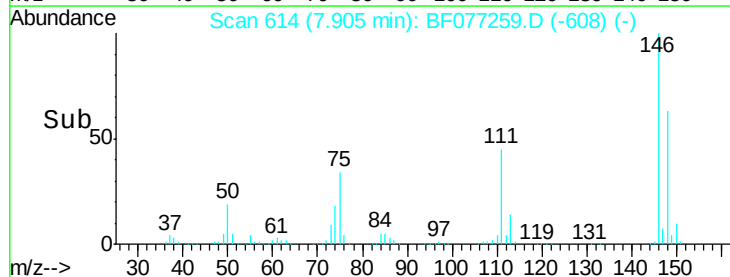
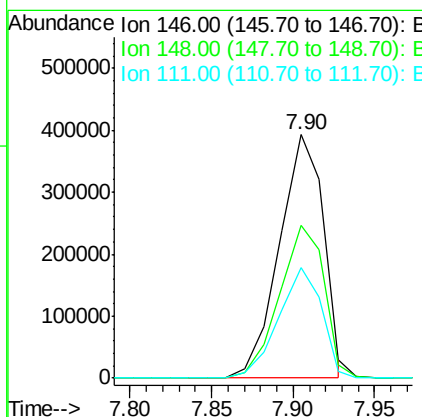
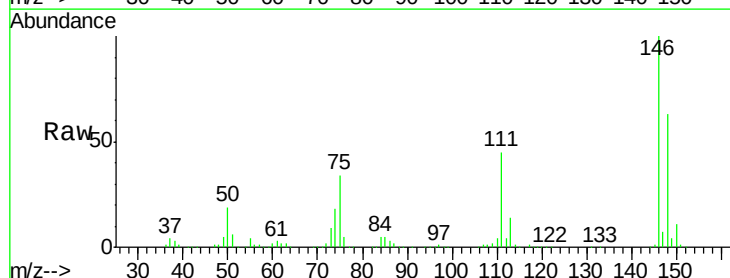
Instrument :  
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 DCW-WW-059-21015

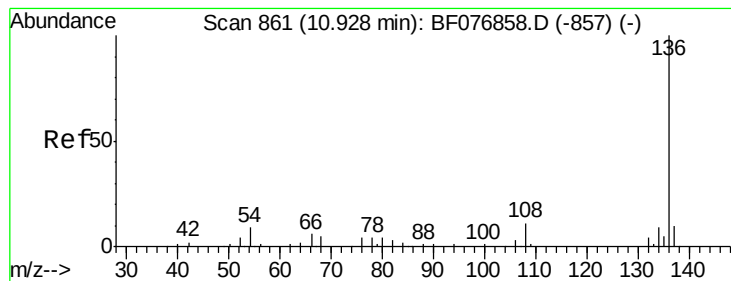
Tgt Ion:146 Resp: 40448  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 51.5 77.3  
 111 43.5 33.9 50.9



#14  
 1,2-Dichlorobenzene  
 Concen: 136.65 ng  
 RT: 7.90 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

Tgt Ion:146 Resp: 741469  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 51.3 76.9  
 111 45.2 34.5 51.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.46 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-059-21015

Tgt Ion: 136 Resp: 303381

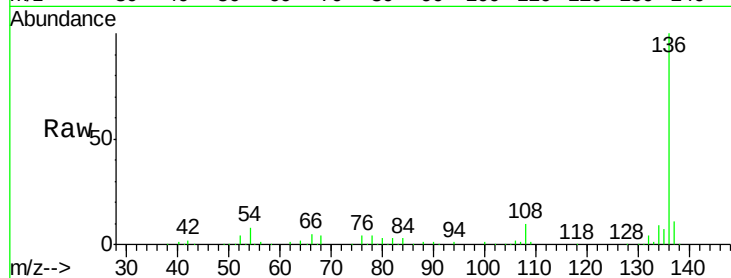
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 8.3 7.0 10.4

68 3.9 3.7 5.5

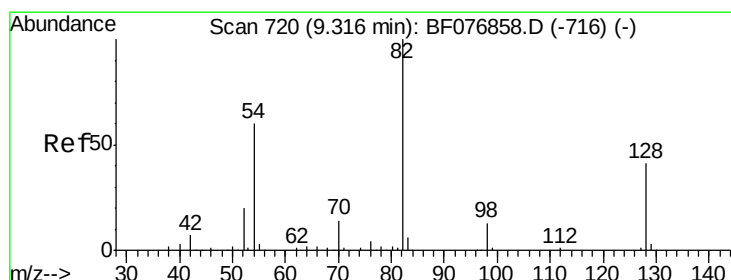
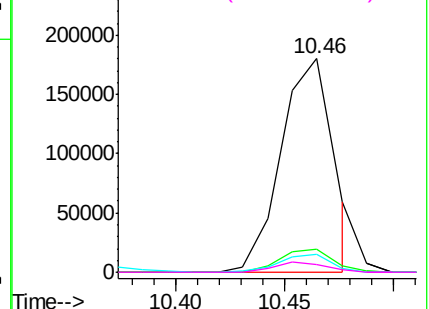
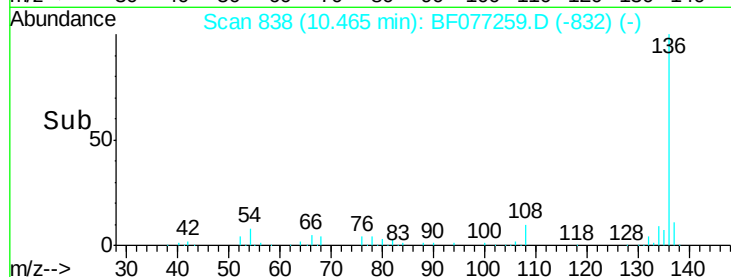


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 39.02 ng

RT: 8.85 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

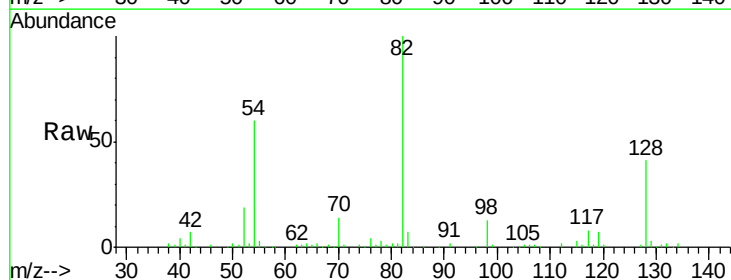
Tgt Ion: 82 Resp: 213697

Ion Ratio Lower Upper

82 100

128 41.3 33.1 49.7

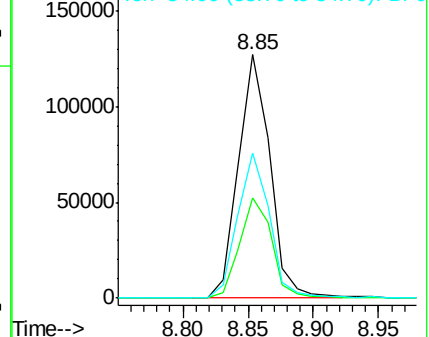
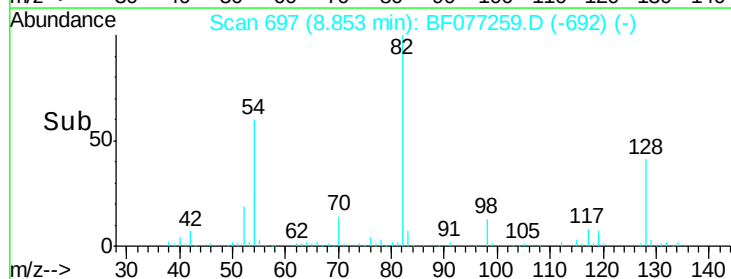
54 59.8 48.3 72.5

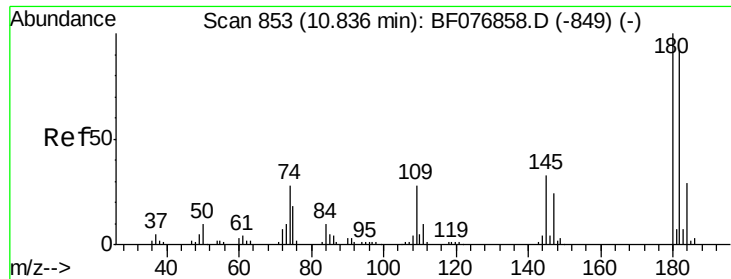


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

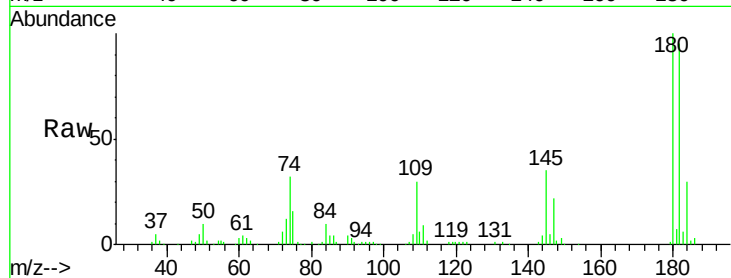




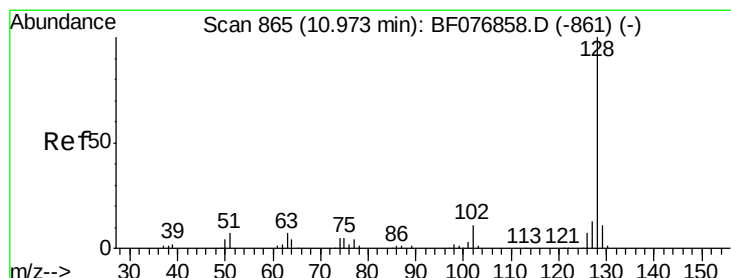
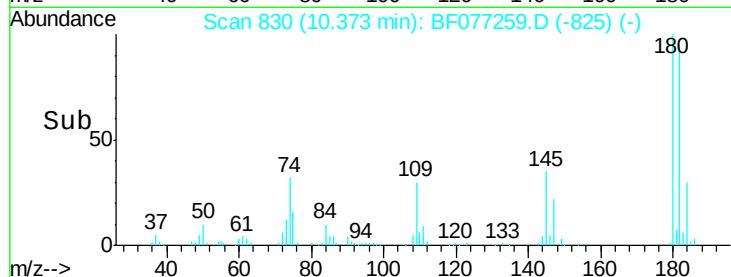
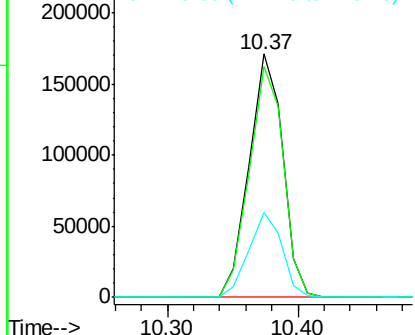
#30  
 1,2,4-Trichlorobenzene  
 Concen: 69.13 ng  
 RT: 10.37 min Scan# 830  
 Delta R.T. -0.05 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

Instrument :  
 BNA\_F  
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Tgt Ion:180 Resp: 308721  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 73.6 110.4  
 145 34.8 26.6 39.8

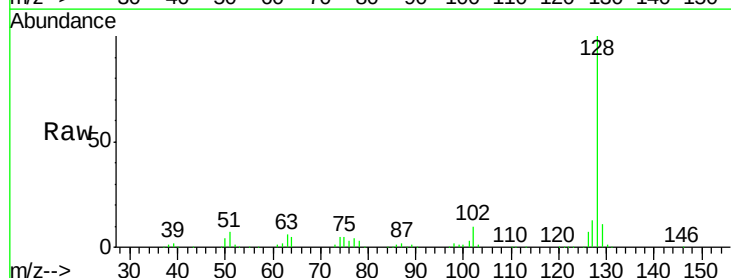


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

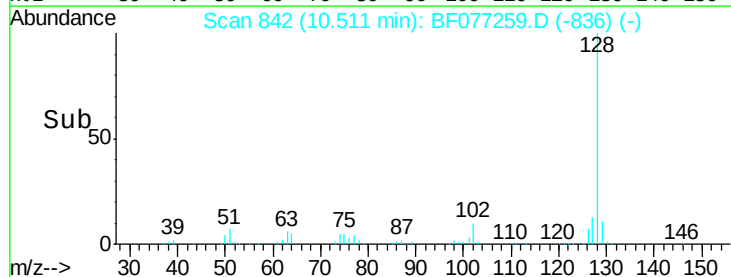
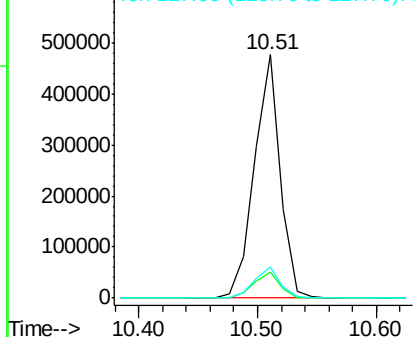


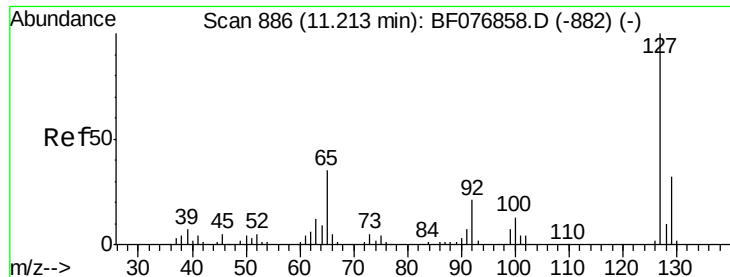
#31  
 Naphthalene  
 Concen: 46.38 ng  
 RT: 10.51 min Scan# 842  
 Delta R.T. -0.03 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

Tgt Ion:128 Resp: 724471  
 Ion Ratio Lower Upper  
 128 100  
 129 10.9 9.0 13.6  
 127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E

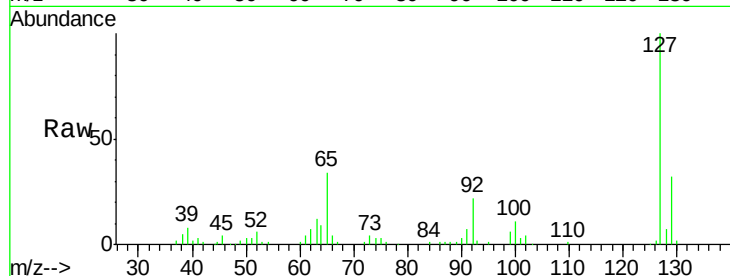




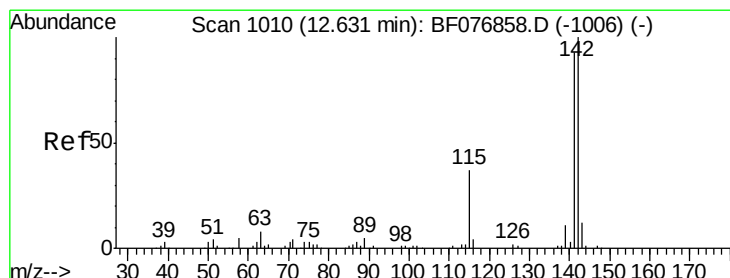
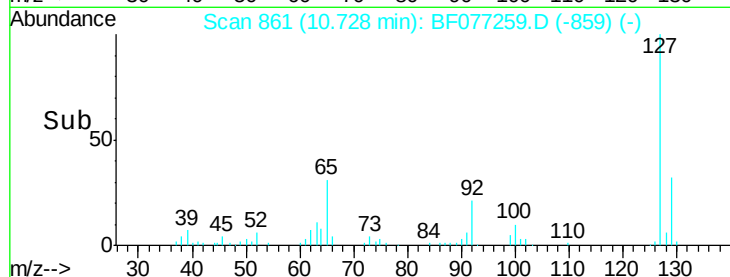
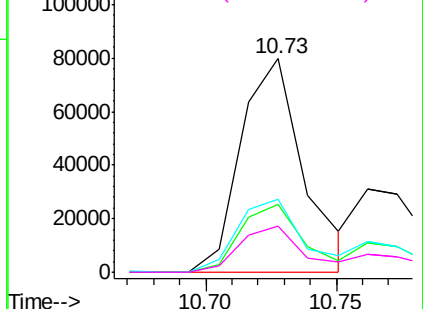
#33  
4-Chloroaniline  
Concen: 21.36 ng  
RT: 10.73 min Scan# 861  
Delta R.T. -0.08 min  
Lab File: BF077259.D  
Acq: 11 Feb 2015 18:08

Instrument :  
BNA\_F  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 134807 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.7  | 25.3  | 37.9   |
| 65       | 34.0  | 27.8  | 41.6   |
| 92       | 21.9  | 16.5  | 24.7   |

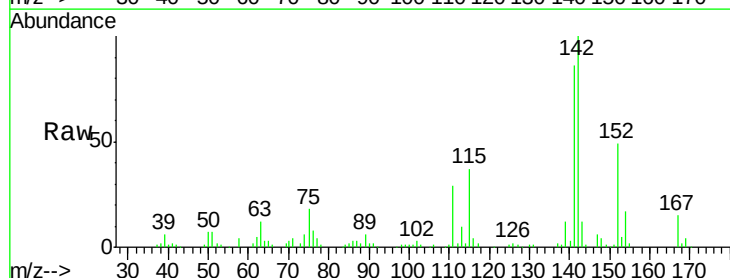


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

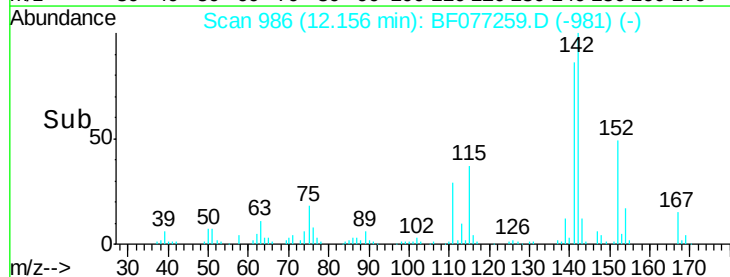
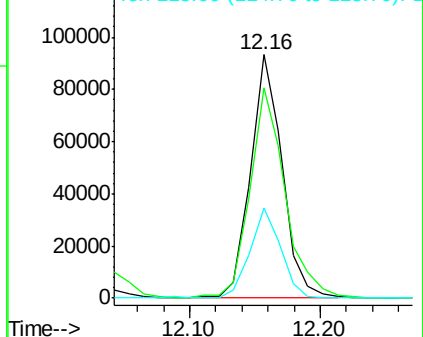


#37  
2-Methylnaphthalene  
Concen: 14.79 ng  
RT: 12.16 min Scan# 986  
Delta R.T. -0.05 min  
Lab File: BF077259.D  
Acq: 11 Feb 2015 18:08

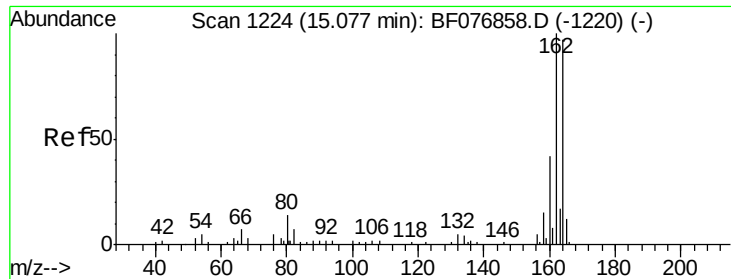
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 157797 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 86.4  | 74.5  | 111.7  |
| 115      | 36.7  | 29.7  | 44.5   |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E







#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.57 min Scan# 1197

Delta R.T. -0.06 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-059-21015

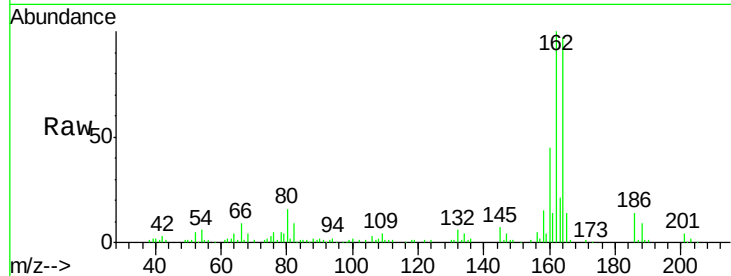
Tgt Ion:164 Resp: 147701

Ion Ratio Lower Upper

164 100

162 103.6 82.4 123.6

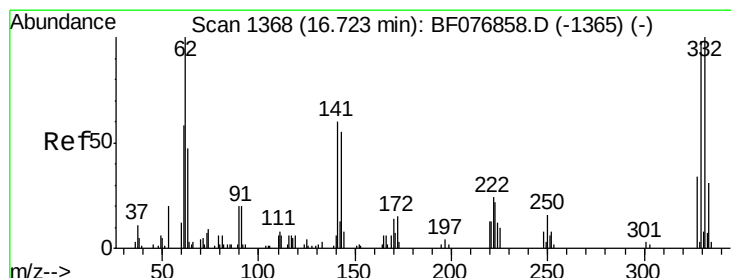
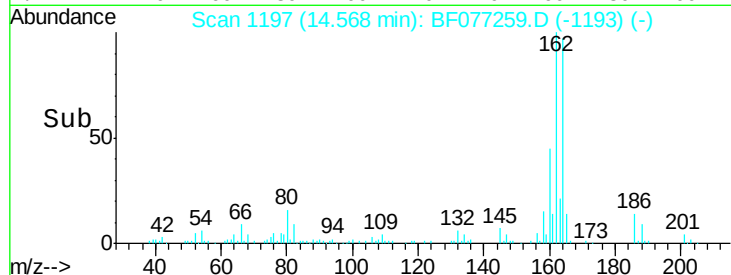
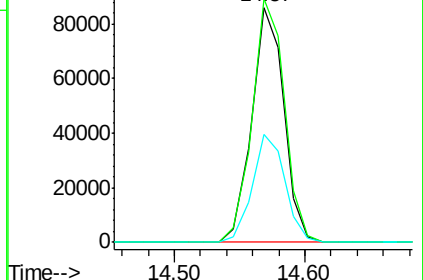
160 46.2 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 62.30 ng

RT: 16.34 min Scan# 1352

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

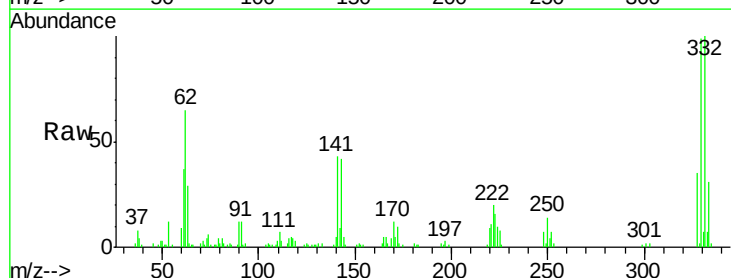
Tgt Ion:330 Resp: 74696

Ion Ratio Lower Upper

330 100

332 98.8 77.8 116.6

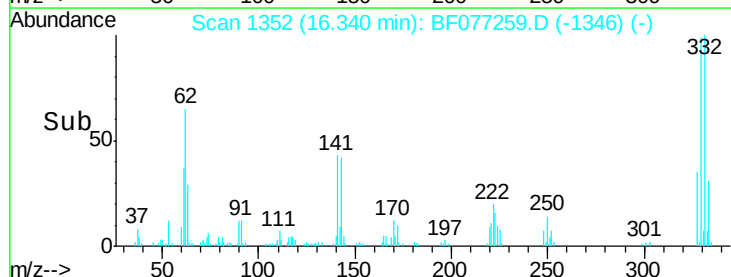
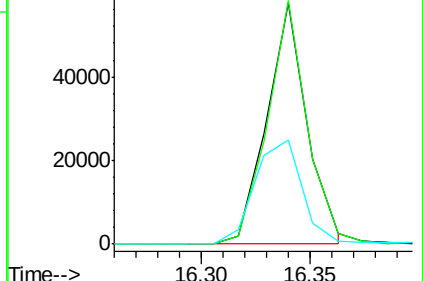
141 50.7 38.5 57.7

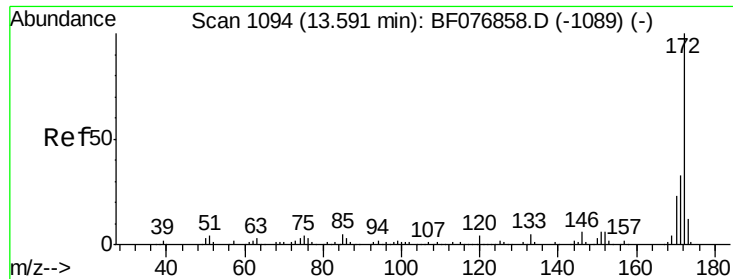


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

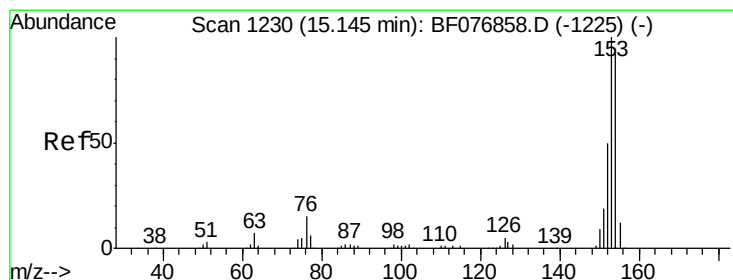
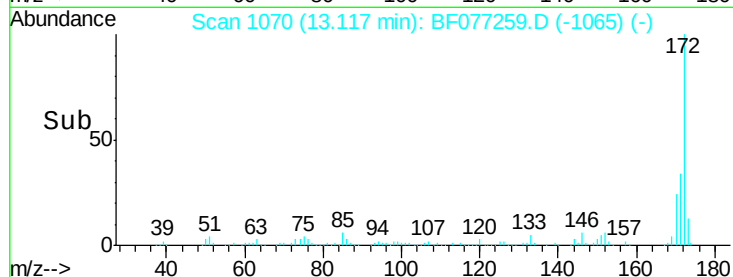
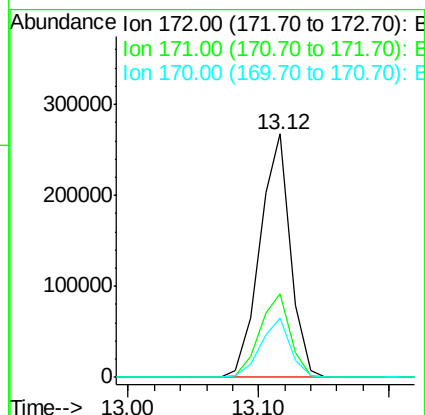
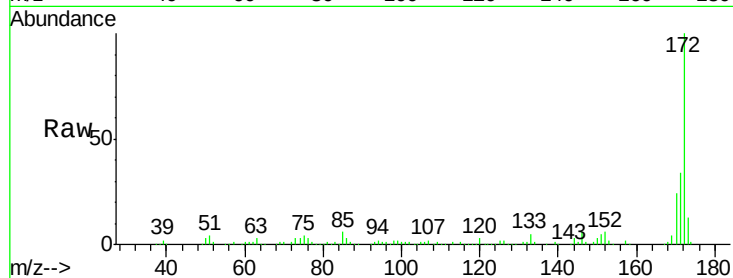




#44  
 2-Fluorobiphenyl  
 Concen: 44.56 ng  
 RT: 13.12 min Scan# 1070  
 Delta R.T. -0.05 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

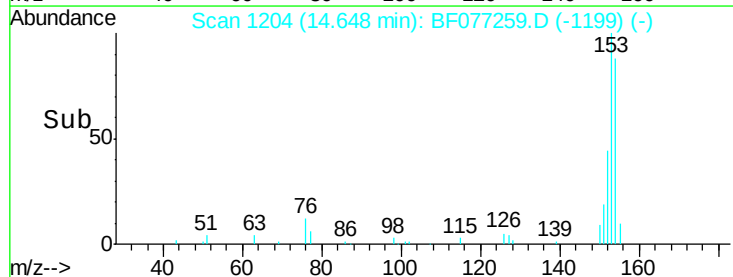
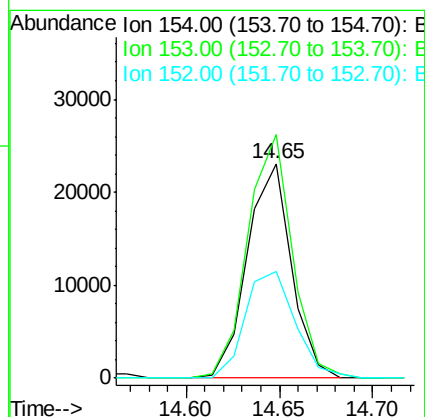
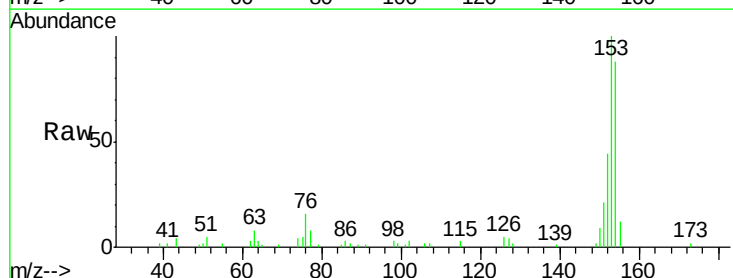
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-059-21015

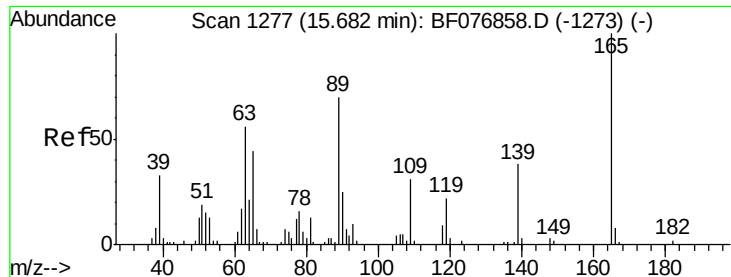
Tgt Ion:172 Resp: 432475  
 Ion Ratio Lower Upper  
 172 100  
 171 34.1 26.6 40.0  
 170 24.3 18.0 27.0



#51  
 Acenaphthene  
 Concen: 4.40 ng  
 RT: 14.65 min Scan# 1204  
 Delta R.T. -0.05 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

Tgt Ion:154 Resp: 37939  
 Ion Ratio Lower Upper  
 154 100  
 153 113.6 87.0 130.6  
 152 49.8 43.5 65.3





#56

2,4-Dinitrotoluene

Concen: 8.07 ng

RT: 15.23 min Scan# 1255

Delta R.T. -0.05 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-059-21015

Tgt Ion:165 Resp: 19568

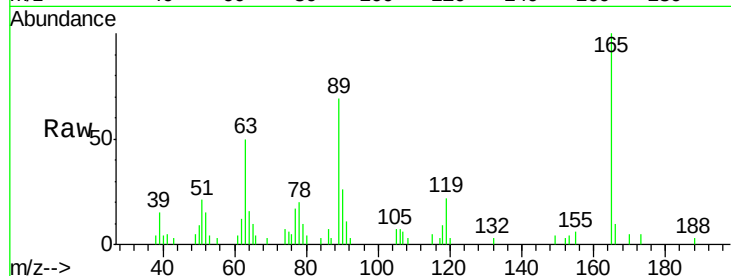
Ion Ratio Lower Upper

165 100

63 50.0 44.8 67.2

89 69.2 56.2 84.2

182 0.0 1.5 2.3#

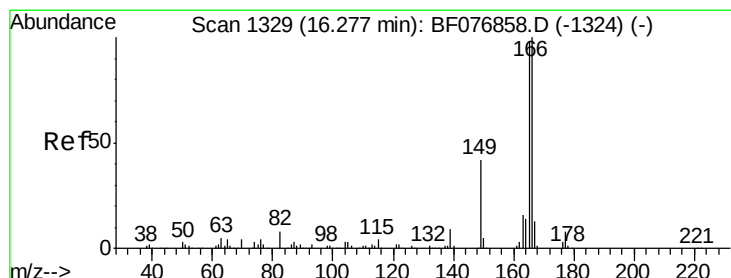
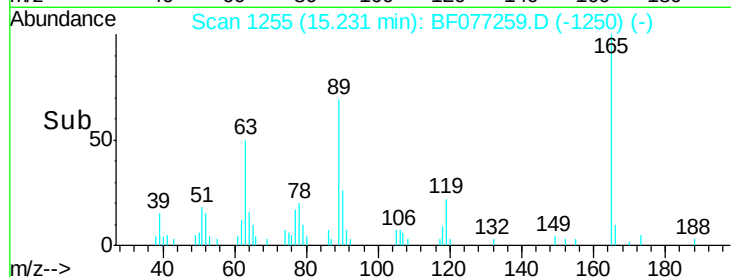
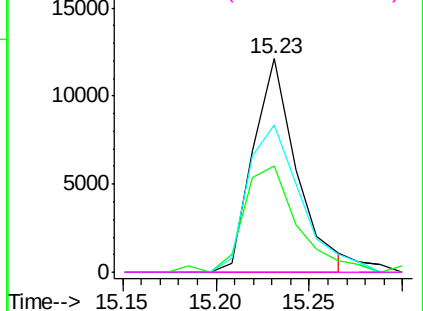


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 4.03 ng

RT: 15.85 min Scan# 1309

Delta R.T. -0.05 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

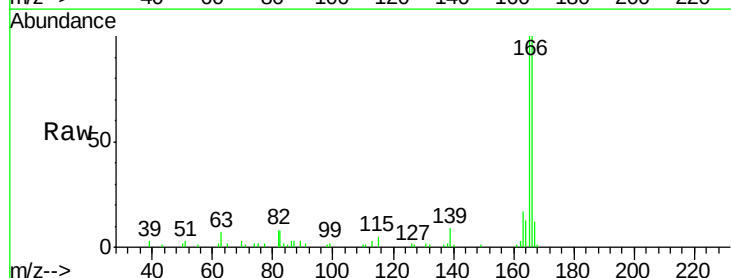
Tgt Ion:166 Resp: 42837

Ion Ratio Lower Upper

166 100

165 100.4 78.5 117.7

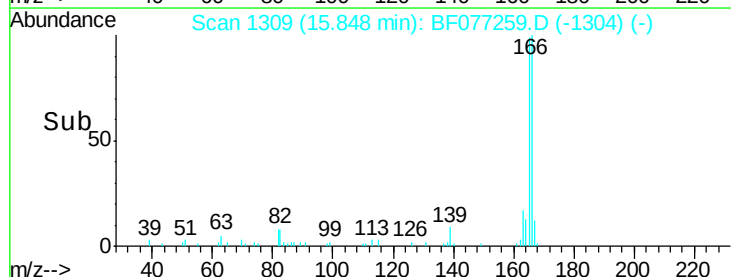
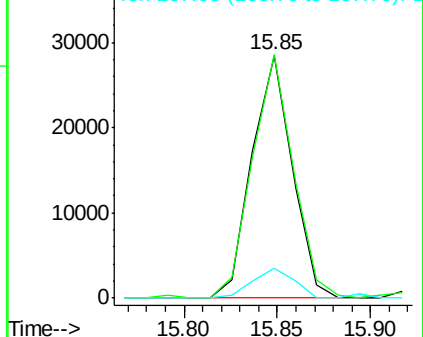
167 12.2 10.4 15.6

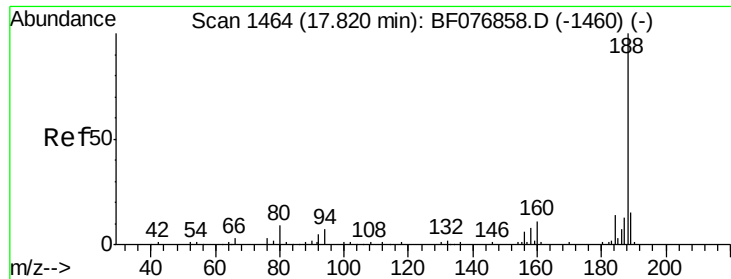


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

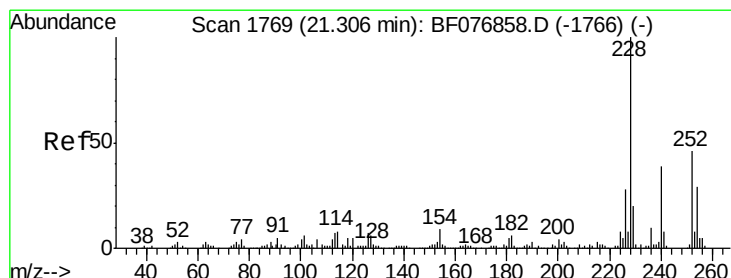
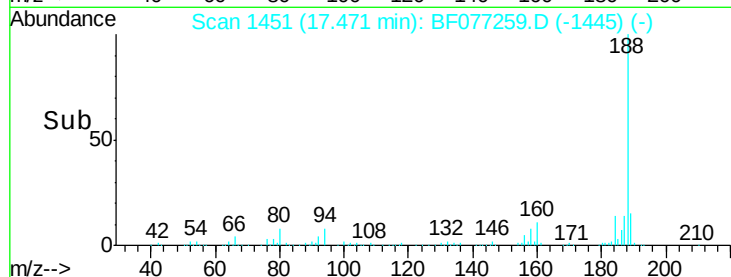
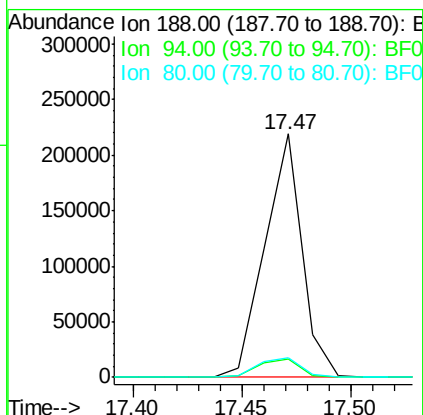
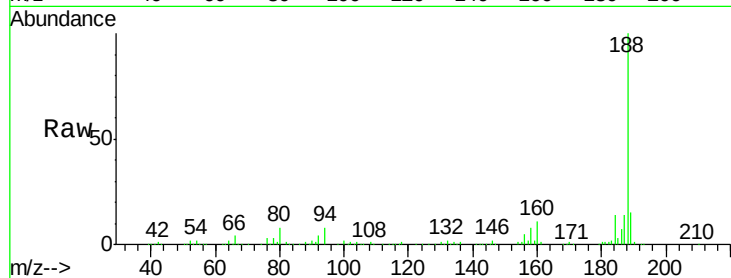




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.47 min Scan# 1451  
Delta R.T. -0.03 min  
Lab File: BF077259.D  
Acq: 11 Feb 2015 18:08

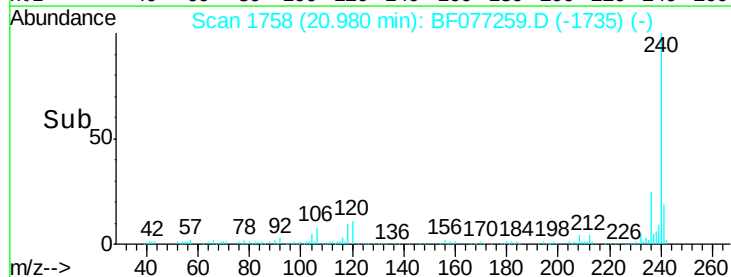
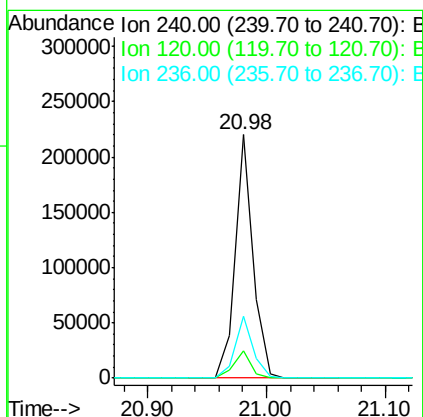
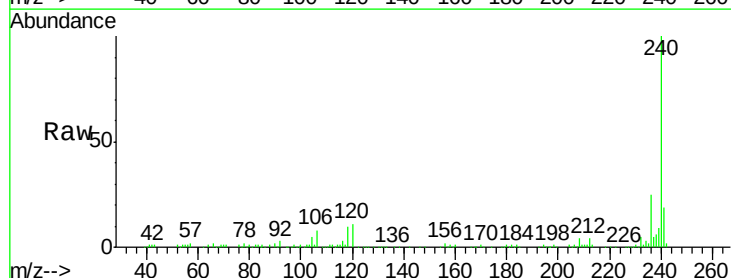
Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-059-21015

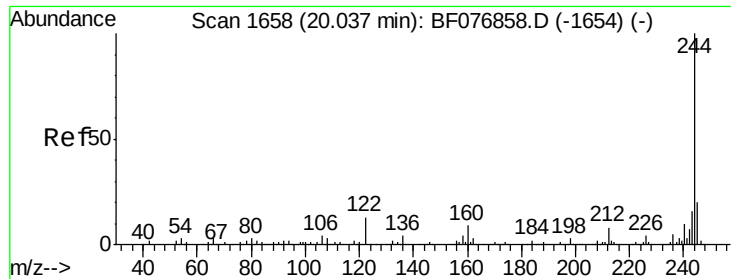
Tgt Ion:188 Resp: 261704  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.0 9.0  
80 8.3 6.9 10.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 20.98 min Scan# 1758  
Delta R.T. -0.03 min  
Lab File: BF077259.D  
Acq: 11 Feb 2015 18:08

Tgt Ion:240 Resp: 230620  
Ion Ratio Lower Upper  
240 100  
120 11.1 10.4 15.6  
236 25.2 20.2 30.2

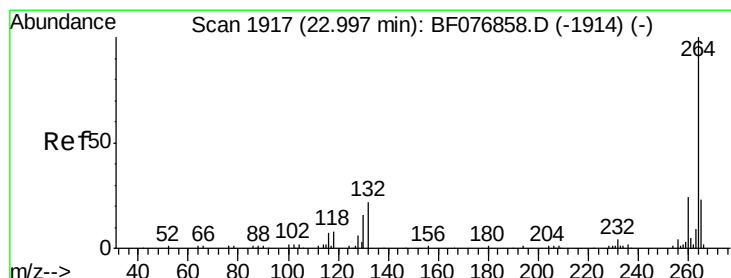
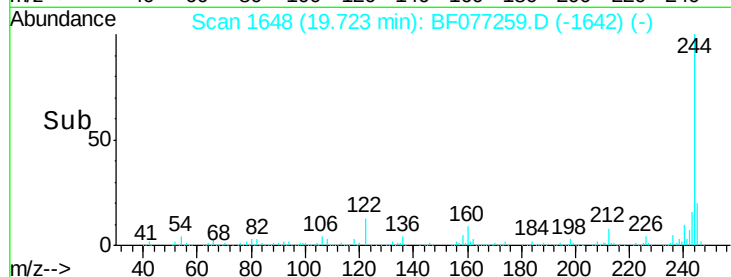
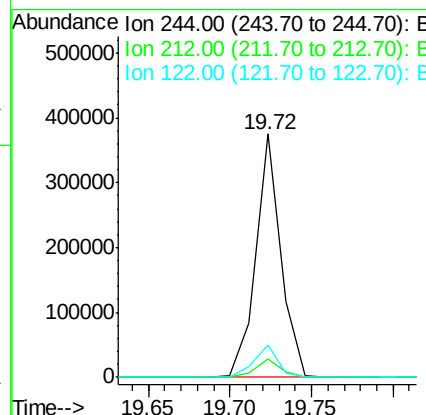
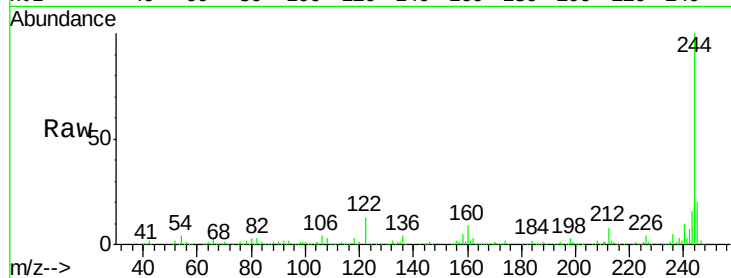




#78  
 Terphenyl-d14  
 Concen: 39.75 ng  
 RT: 19.72 min Scan# 1648  
 Delta R.T. -0.03 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-059-21015

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.3   | 9.5   |
| 122     | 13.4  | 10.1  | 15.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.61 min Scan# 1901  
 Delta R.T. -0.05 min  
 Lab File: BF077259.D  
 Acq: 11 Feb 2015 18:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.0  | 28.4  |
| 265     | 21.2  | 18.1  | 27.1  |

